

Summary of Studies

Tijuana River Watershed Area Adjacent to US/Mexico Border

Joint Tijuana River Valley Recovery Team/Border 2020 Task
Force Meeting

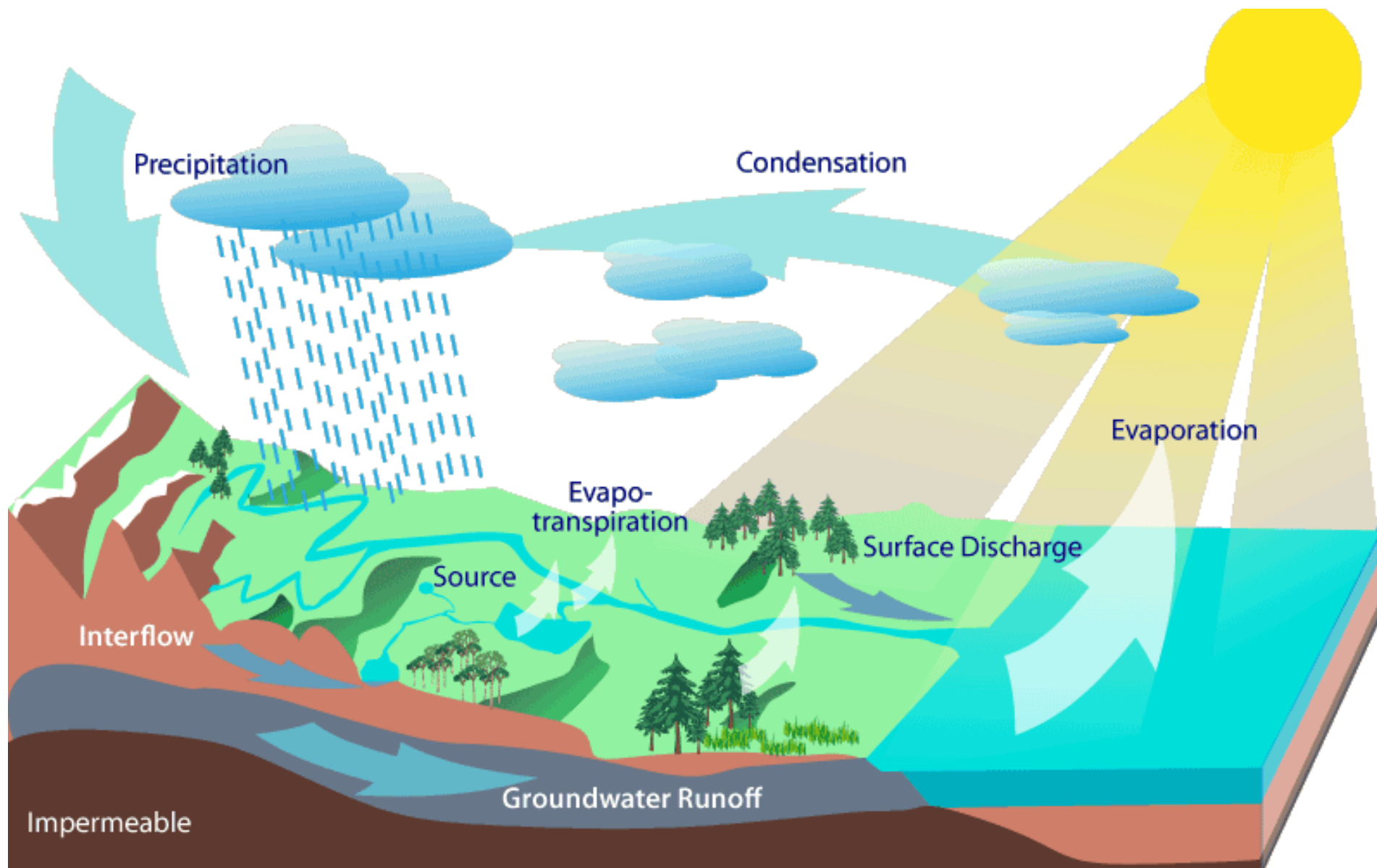
July 28, 2016

Outline

- Purpose
- Coordination
- FY 2016 Phase I Scope of Work
- FY 2017 Phase II Scope of Work
- Future Scopes of Work
- Next Steps

Purpose

- **Model existing hydrology and hydraulics of the lower Tijuana River watershed area adjacent to US/Mex border**
- **Understand current flows to assist in future planning to reduce flood risk in the US/Mex border area**
- **May be used for future modeling, feasibility studies, and planning efforts to address sediment and trash**
- **Studies will follow the IBWC's Binational Core Group process, and US Army Corps guidance and criteria**



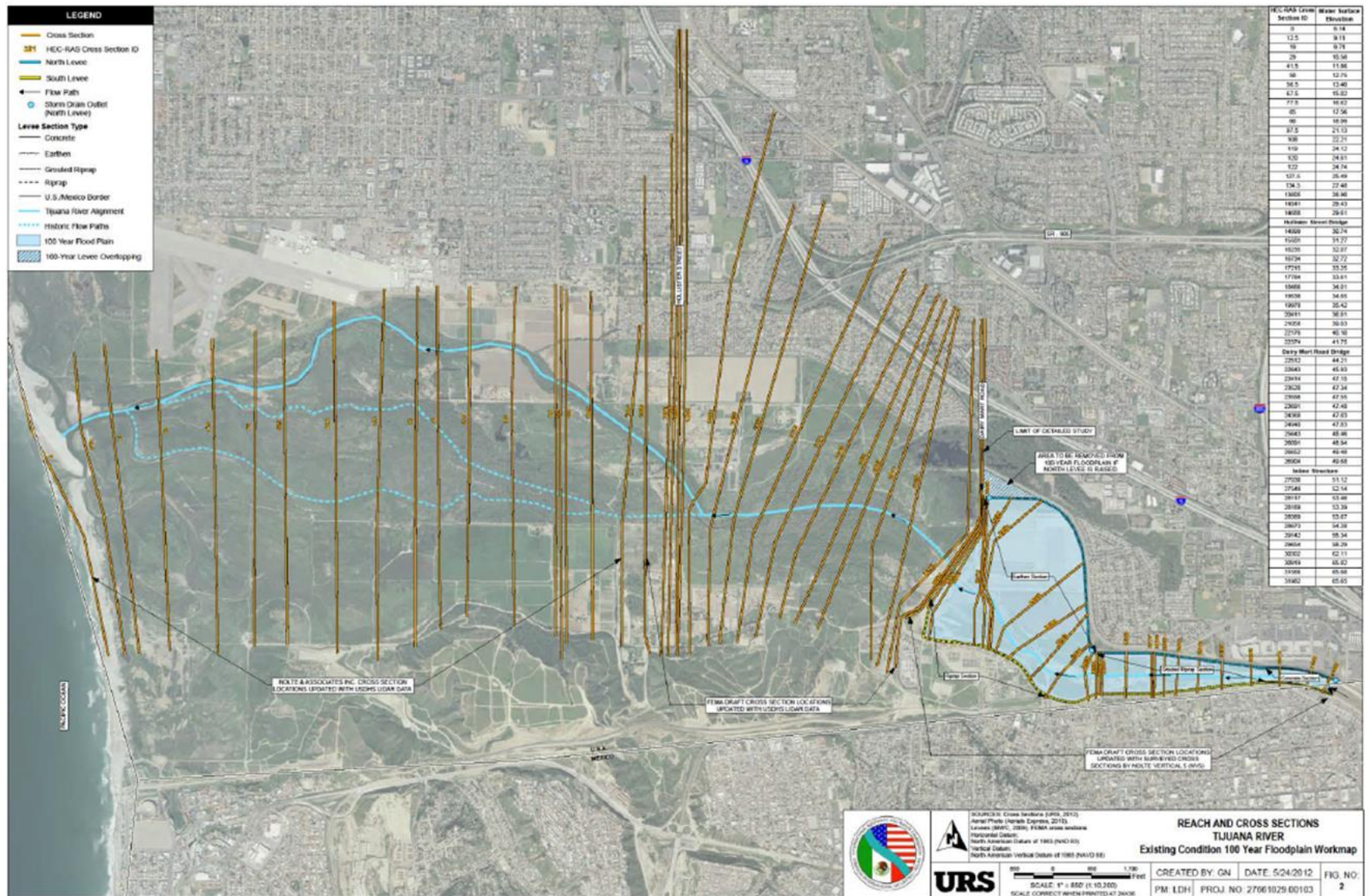
Coordination

- US Army Corps to complete studies
- City of San Diego to provide match funds
- IBWC to assist with coordination/communication with Mexico
- Stakeholders (US and Mexico side) to provide input
 - Minute 320 Binational Sediment Working Group
 - Minute 320 Binational Core Group
 - Tijuana River Valley Recovery Team?
 - Tijuana River WMA Water Quality Improvement Plan responsible parties (County, City of SD, City of IB)?

FY 2016 Phase I Scope of Work

- Better understanding of storm water flows and topography in Tijuana River Valley (US side)
 - Discharge-frequency calculations
 - Floodplain delineations
 - Sediment transport analysis
- Baseline for future studies, modeling, and planning efforts
- Draft will be shared for input once it's completed

FY 2016 Phase I Study Area



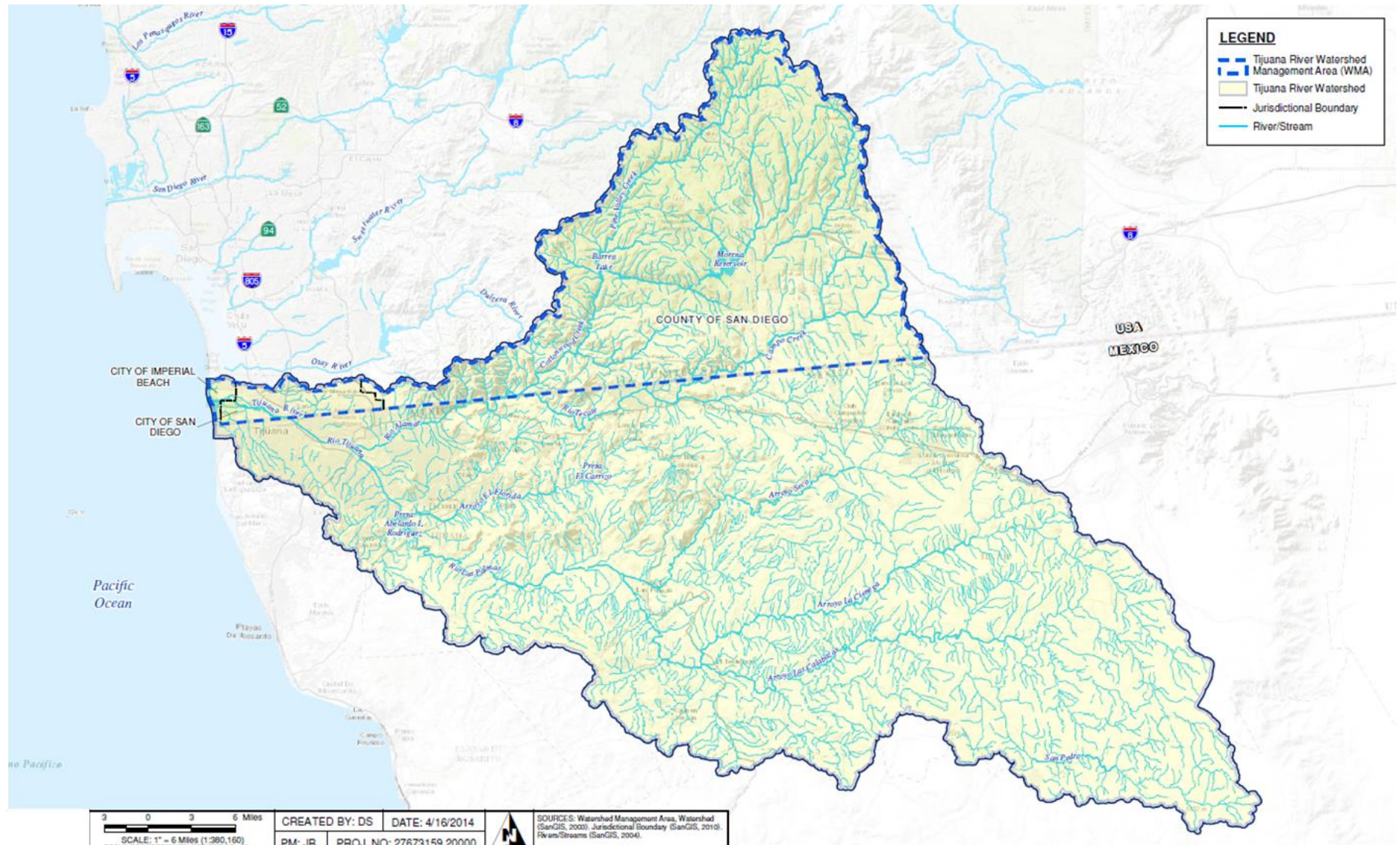
HEC-RAS Model Cross Sections for Tijuana River

Source: Final Report, Hydraulic Floodplain Study of the Tijuana River, U.S. and Mexico Border, San Diego County, California, April 10, 2012, URS, Austin, TX

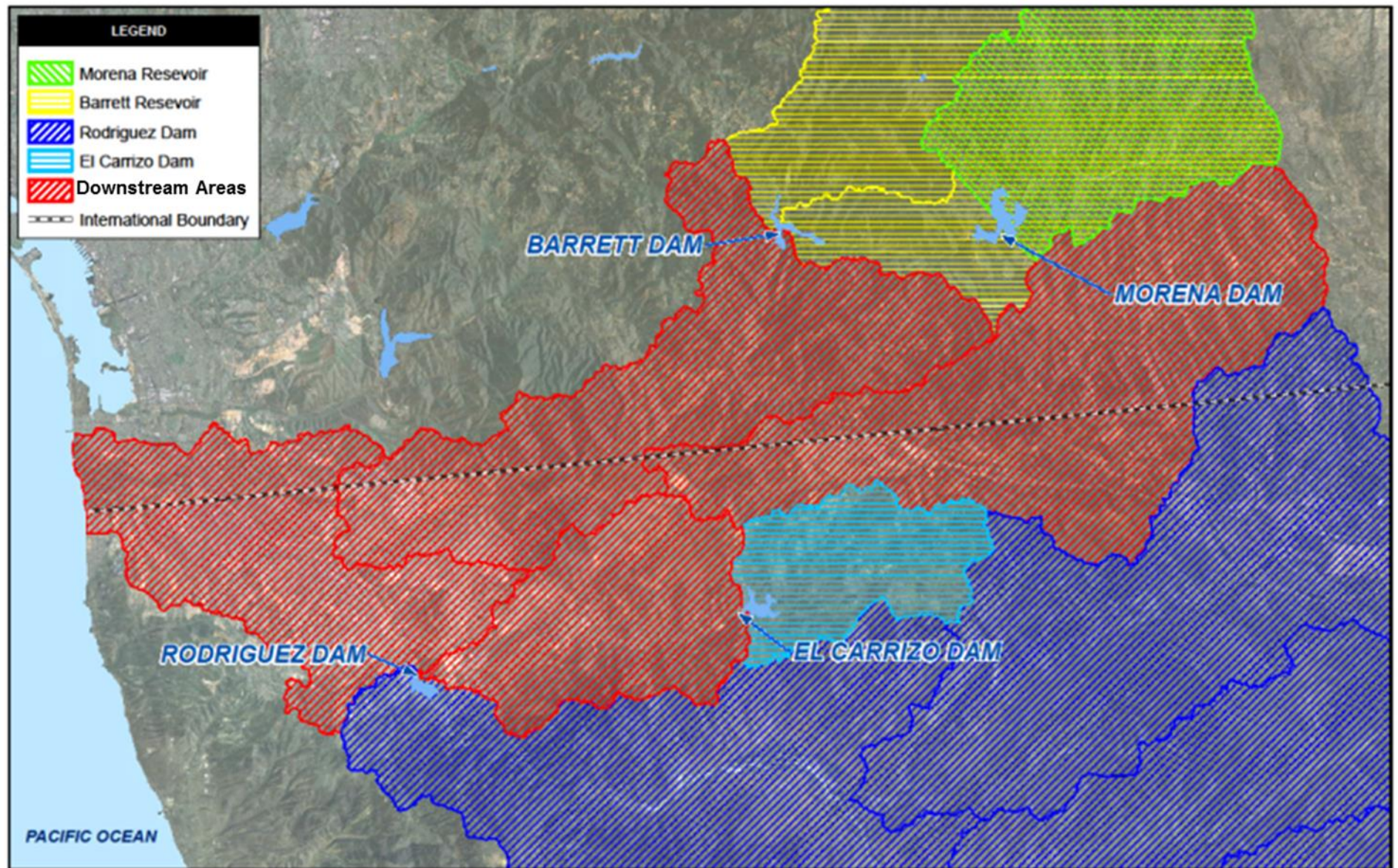
FY 2017 Phase II Scope of Work

- Currently drafting Scope of Work with stakeholder input
- Will expand into Mexico if there's interest and if data is available
- Looking for additional data to improve analysis
- Will build off Phase I Study and include
 - Data calibration
 - Infrastructure assessment
 - Comprehensive watershed hydrologic analysis
 - Sediment modeling

Tijuana River Watershed



Downstream Areas



Future Scopes of Work

- Additional studies/modeling?
- Binational Sediment Management Plan?
- Identification of projects in US/Mexico?
- Other?

Next Steps

- Minute 320 – Binational Sediment Workgroup (June 29, 2016)
- Minute 320- Binational Core Group (Aug/Sep 2016)
- Minute 320- Binational Commissioners' review and approval (Process TBD)
- Other?